

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>26973</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/IL 03/01025</b>	International filing date (day/month/year) <b>03/12/2003</b>	(Earliest) Priority Date (day/month/year) <b>09/12/2002</b>
Applicant  <b>RAMOT AT TEL AVIV UNIVERSITY LTD.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

### 1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

**SYSTEM FOR DETERMINING ENDOTHELIAL DEPENDENT VASOACTIVITY**

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☒ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1

☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IL 03/01025

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 A61B5/0285 A61B5/0205

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

INSPEC, BIOSIS, COMPENDEX, EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	EP 1 360 929 A (MICRO MEDICAL LTD) 12 November 2003 (2003-11-12) the whole document ---	
A	WO 02 34105 A (LAVIE PERETZ ;SHEFFY JACOB (IL); ITAMAR MEDICAL LTD (IL); SCHNALL) 2 May 2002 (2002-05-02) abstract; figures 3-7 page 9, line 12-23 page 21, line 26 -page 22, line 22 ---	
A	EP 1 245 183 A (COLIN CORP) 2 October 2002 (2002-10-02) paragraphs '0004!,'0005!,'0015!-'0018!; figures 1-5 --- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## ° Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

29 March 2004

Date of mailing of the international search report

16/04/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Jonsson, P.O.

## INTERNATIONAL SEARCH REPORT

Intern Application No

PCT/IL 03/01025

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 053 714 A (COLIN CORP) 22 November 2000 (2000-11-22) column 2, line 52 -column 4, line 3; figures 2,8-10 ---	
A	WO 00 47110 A (ULTRAMIND INT LTD ;ORBACH TUVI (IL); ROYTVARF ALEX (IL); SHUSTERMA) 17 August 2000 (2000-08-17) page 5, line 23-28; claim 1 page 6, line 12-20 ---	
A	US 5 755 229 A (AMANO KAZUHIKO ET AL) 26 May 1998 (1998-05-26) column 1 -column 2; figure A ---	
A	WILKINSON I B ET AL: "Increased augmentation index and systolic stress in type 1 diabetes mellitus" QJM, vol. 93, no. 7, July 2000 (2000-07), pages 441-448, XP002275221 ISSN: 1460-2725 page 441 -page 442 ---	
A	HARTLEY C J ET AL: "Hemodynamics of atherosclerotic mice" PROC. 22ND ANN. INT. CONF. OF THE IEEE ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY (CAT. NO.00CH37143), CHIC, pages 2219-2222 vol.3, XP010530969 2000, Piscataway, NJ, USA, IEEE, USA ISBN: 0-7803-6465-1 page 2219 ---	
A	ITOH Y ET AL: "The therapeutic effect of Lipo PGE1 on diabetic neuropathy-changes in endothelin and various angiopathic factors" PROSTAGLANDINS, BUTTERWORTH, STONEHAM, MA, US, vol. 66, no. 3, October 2001 (2001-10), pages 221-234, XP004305745 ISSN: 0090-6980 abstract paragaph '02.5! -----	

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

Continuation of Box I.2

Claims Nos.: 26-44

Present independent claim 26 (and its dependent claims 27-44) is drafted in such a vague and unclear manner (endothelial DEPENDENT vasoactivity; pressure-RELATED signals; processing unit OPERABLE to receive; DESIGNED and PROGRAMMED to extract AT LEAST ONE parameter; AT LEAST ONE characterisitic REPRESENTATIVE of endothelial functioning etc) that a lack of clarity within the meaning of Article 6 PCT arises to such an extent as to render a meaningful search over the whole scope of the claims impossible. Consequently, the search has been carried out for those parts of the application which do appear to be clear, and which also appear to relate to the core of the invention, namely the embodiment described on page 14, line 20-page 17, line 18 and figure 1.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IL 03/01025

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 1-25, 45-55  
because they relate to subject matter not required to be searched by this Authority, namely:  
Rule 39.1(iv) PCT - Diagnostic method practised on the human or animal body
2. ☒ Claims Nos.: 26-44  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP03/01025

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1360929	A	12-11-2003	EP 1360929 A1	12-11-2003
			US 2003229288 A1	11-12-2003
WO 0234105	A	02-05-2002	AU 1421002 A	06-05-2002
			CA 2424389 A1	02-05-2002
			WO 0234105 A2	02-05-2002
EP 1245183	A	02-10-2002	JP 2002291709 A	08-10-2002
			EP 1245183 A1	02-10-2002
			US 2002143260 A1	03-10-2002
EP 1053714	A	22-11-2000	JP 3027750 B2	04-04-2000
			JP 2000325316 A	28-11-2000
			EP 1053714 A2	22-11-2000
			US 6379309 B1	30-04-2002
			US 2002026120 A1	28-02-2002
WO 0047110	A	17-08-2000	IL 128482 A	24-06-2003
			AU 769672 B2	29-01-2004
			AU 2569700 A	29-08-2000
			BR 0008154 A	04-12-2001
			EP 1150604 A1	07-11-2001
			WO 0047110 A1	17-08-2000
			JP 2002536104 T	29-10-2002
			ZA 200106578 A	26-02-2003
US 5755229	A	26-05-1998	JP 2979933 B2	22-11-1999
			JP 7095966 A	11-04-1995
			CN 1105224 A , B	19-07-1995
			DE 69424901 D1	20-07-2000
			DE 69424901 T2	19-10-2000
			EP 0638281 A1	15-02-1995
			US 5623933 A	29-04-1997